

# ISO 17526:2003-06 (E)

## Optics and optical instruments - Lasers and laser-related equipment - Lifetime of lasers

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>3.1</b>	<b>Modes of operation .....</b>	<b>1</b>
<b>3.2</b>	<b>Operating conditions .....</b>	<b>2</b>
<b>3.3</b>	<b>Lifetime related terms .....</b>	<b>3</b>
<b>3.4</b>	<b>Types and classification .....</b>	<b>5</b>
<b>3.5</b>	<b>Others .....</b>	<b>5</b>
<b>4</b>	<b>Symbols and abbreviated terms .....</b>	<b>6</b>
<b>4.1</b>	<b>Symbols .....</b>	<b>6</b>
<b>4.2</b>	<b>Abbreviated terms .....</b>	<b>6</b>
<b>5</b>	<b>Test methods .....</b>	<b>6</b>
<b>5.1</b>	<b>General .....</b>	<b>6</b>
<b>5.2</b>	<b>Selection of lasers for lifetime testing .....</b>	<b>7</b>
<b>5.3</b>	<b>Lifetime test in APPC- and ACC-mode .....</b>	<b>7</b>
<b>5.4</b>	<b>Lifetime test at APC-mode .....</b>	<b>7</b>
<b>5.5</b>	<b>Lifetime tests at limited aperture .....</b>	<b>8</b>
<b>6</b>	<b>Evaluation and extrapolation .....</b>	<b>8</b>
<b>7</b>	<b>Test report .....</b>	<b>10</b>
<b>Bibliography .....</b>		<b>12</b>